D.1
6-16-11

EQ - The Environmental Quality Company
Waste Characterization Report

☑ *I authorize EQ - The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 North I-94 Service Drive, Belleville, Michigan 48111 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #MID000724831
☐ **Wayne Disposal, Inc.** (Hazardous & PCB Waste Landfill)	49350 North I-94 Service Drive, Belleville, Michigan 48111 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #MID048090633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick, Detroit, MI 48211 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #MID980991566
☐ **EQ Ohio (Envirite of Ohio)** (Stabilization and Treatment)	2050 Central Avenue, SE, Canton, OH 44707 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #OHD980568992
☐ **EQ Pennsylvania (Envirite of Pennsylvania)** (Stabilization and Treatment)	730 Vogelsong Road, York, PA 17404 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #PAD010154045
☐ **EQ Oklahoma, Inc.** (Stabilization, Wastewater Treatment)	2700 South 25th West Avenue, Tulsa, OK 74107-3435 Phone: 918-582-9595 Fax: 918-560-5252	EPA ID #OKD000402396
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, Michigan 48174 Phone: 734-727-5500 Fax: 734-326-4033	EPA ID #MID060975844
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East Eighth Ave., Tampa, FL 33619 Phone: 1-800-624-5302 Fax: 1-813-628-0842	EPA ID #FLD981932494
☐ **EQ Detroit Transfer and Processing** (Drum Transfer/Universal Waste Handling)	2000 Ferry Street, Detroit, MI 48211 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #MIK939928313
☐ **EQIS Indianapolis Transfer and Processing** (Drum Transfer/Non-Hazardous Waste Processing)	2650 N. Shadeland Avenue, Indianapolis, IN 46219 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #INR000125641
☐ **EQIS Atlanta Transfer and Processing** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd., Atlanta, Georgia 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID #GAR000039776
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd., Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID #GAR000011817

Please note, this profile should not be used for wastes destined to EQ Illinois (Envirite of Illinois). For more information, please contact our National Service Center at (800)592-5489.

Waste Common Name: Solidified cleaning sludge

Section 1 - Generator & Customer Info

SIC/NAICS*:

Generator EPA ID: OHR-000-014-605

Generator: USEPA/Multi Services
Address: 1962 Radio Rd
City: Dayton
State: OH Zip: 45431
County: Montgomery

Mailing Address
Address: 26 West Mlk Drive G-41
City: Cincinnati
State: OH Zip: 45268

Generator Contact
Name: Steve Reninnger
Title: On Scene Coordinator
Phone: (513) 260-7849
Fax: ( ) -

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

EQ Customer No.:

Invoicing Company
Company: Env. Quality Management
Address: 1800 Carillon Bl
City: Cincinnati
State: OH Zip: 45240
Country: US

Invoicing Contact
Name: Steve Letany
Phone: (800) 500-0575
Fax: (513) 825-9728

Technical Contact
Name: Steve Letany
Phone: (800) 500-0575
Fax: (513) 825-9728
Mobile: (513) 543-3909 Pager: ( ) -
E-mail: sletany@eqm.com

Section 2 - Shipping & Packaging Info

2.1) Shipping Volume & Unit: 350 tons Frequency: One Time Only

2.2) DOT Shipping Name: R.Q., Hazardous Waste solid,nos,(F002),9,NA3077,PGIII

2.3) Is this waste surcharge exempt? ◉ Yes ○ No (If you answered "Yes" to question 2.3, select the Surcharge Exemption reason.)

2.4) Packaging (check all that apply)

- ☐ Bulk Solid (yd ^{3} < 2000 lbs/yd ^{3})
- ☐ Totes, Size
- ☐ Other (palletized, 5 gal. Pail, etc.)
- ☑ Bulk Solid (Ton > 2000 lbs./yd ^{3})
- ☐ Cubic Yard Boxes/Bags
- ☐ Bulk Liquids (Gallon)
- ☐ Drums, Size

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 - Physical Characteristics

3.1) Color: BEIGE, GRAY/BLACK 3.2) Odor: slight solvent

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ○ Yes ◉ No

3.4) Physical State at 70 °F: ☑ Solid ☐ Dust/Powder ☐ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤ 2 ☐ 2.1-4.9 ☐ 5-10 ☐ 10.1-12.4 ☑ ≥ 12.5

3.6) What is the flash point of this waste? ○ <90 °F ○ 90-139 °F ○ 140-199 °F ◉ ≥ 200 °F

3.7) Does this waste contain? **(check all that apply)**

☑ **None**	☐ Free Liquids	☐ Oily Residue	☐ Metal Fines	☐ Biodegradable Sorbants	☐ Amines
☐ Ammonia	☐ Water Reactive	☐ Biohazard	☐ Aluminum	☐ Shock Sensitive Waste	☐ Reactive Waste
☐ Radioactive Waste	☐ Explosives	☐ Pyrophoric Waste	☐ Isocyanates	☐ Asbestos - non-friable	☐ Asbestos - friable
☐ Dioxins	☐ Furans				

Section 4 - Composition / Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Bed Ash from 40. to 60. %

Dry cleaning sludge from 40. to 60. %

4.2) Provide a detailed description of the process generating this waste. (attach flow diagram if available).

USEPA CERCLA cleanup of a former industrial cleaning company. this waste is sludge from trenches that ran underneath washing machines, and from the water treatment tanks. It was solidified for shipment by mixing with bed ash.

Section 5 - Is This Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes.

s determined by 40 CFR, Part 261 and Michigan Act 451 Rules:			**Please list applicable waste code(s):**
5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? Comments:	◉ Yes	○ No	F002
5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? Comments:	○ Yes	◉ No	
5.3) Do any State Hazardous Waste Codes apply? Comments:	○ Yes	◉ No	
5.4) Is this waste intended for wastewater treatment?	○ Yes*	◉ No	

If you answered "No" to questions 5.1, 5.2, and 5.3, please skip to Section 7.
****If you answered "Yes" to question 5.4, please complete the WCR Addendum.***

Section 6 - Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction Levels? ○ Yes ● No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ○ Yes ● No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ○ Yes ● No

6.2) Is the waste an oxidizer (D001)? ○ Yes ● No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ○ Yes ● No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ○ Yes ● No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either 'Below' or 'Above' **MUST** be checked for each constituent.

Based On: ○ **Generator Knowledge** ● **Analysis*** ○ **MSDS***

***Please forward a copy. Analysis or MSDS are required for EQ Florida Non-hazardous wastes.**

Code	Regulatory Level TCLP (mg/l)				Concentration (if above)
D004	Arsenic	5	● Below	○ Above	
D005	Barium	100	● Below	○ Above	
D006	Cadmium	1	● Below	○ Above	
D007	Chromium	5	● Below	○ Above	
D008	Lead	5	● Below	○ Above	
D009	Mercury	0.2	● Below	○ Above	
D010	Selenium	1	● Below	○ Above	
D011	Silver	5	● Below	○ Above	
D012	Endrin	0.02	● Below	○ Above	
D013	Lindane	0.4	● Below	○ Above	
D014	Methoxychlor	10	● Below	○ Above	
D015	Toxaphene	0.5	● Below	○ Above	
D016	2,4-D	10	● Below	○ Above	
D017	2,4,5-TP (Silvex)	1	● Below	○ Above	
D018	Benzene	0.5	● Below	○ Above	
D019	Carbon Tetrachloride	0.5	● Below	○ Above	
D020	Chlordane	0.03	● Below	○ Above	
D021	Chlorobenzene	100	● Below	○ Above	
D022	Chloroform	6.0	● Below	○ Above	
D023	o-Cresol	200	● Below	○ Above	

Code	Regulatory Level TCLP (mg/l)				Concentration (if above)
D024	m-Cresol	200	● Below	○ Above	
D025	p-Cresol	200	● Below	○ Above	
D026	Cresols	200	● Below	○ Above	
D027	1,4-Dichlorobenzene	7.5	● Below	○ Above	
D028	1,2-Dicholoroethane	0.5	● Below	○ Above	
D029	1,1-Dichloroethylene	0.7	● Below	○ Above	
D030	2,4-Dinitrotoluene	0.13	● Below	○ Above	
D031	Heptachlor	0.008	● Below	○ Above	
D032	Hexachlorobenzene	0.13	● Below	○ Above	
D033	Hexachlorobutadiene	0.5	● Below	○ Above	
D034	Hexachloroethane	3.0	● Below	○ Above	
D035	Methyl Ethyl Ketone	200	● Below	○ Above	
D036	Nitrobenzene	2	● Below	○ Above	
D037	Pentachlorophenol	100	● Below	○ Above	
D038	Pyridine	5	● Below	○ Above	
D039	Tetrachloroethylene	0.7	● Below	○ Above	
D040	Trichloroethylene	0.5	● Below	○ Above	
D041	2,4,5-Trichlorophenol	400	● Below	○ Above	
D042	2,4,6-Trichlorophenol	2	● Below	○ Above	
D043	Vinyl Chloride	0.2	● Below	○ Above	

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ○ Yes ● No

If you answered 'Yes', please list the constituents in Section 11.

Section 7 - Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide.

Applicable waste code(s):

7.1) Is this a Michigan non-hazardous liquid industrial waste? ○ Yes ● No

Comments:

7.2) Is this a Universal waste? ○ Yes ● No

7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ○ Yes ● No

7.4) Is this waste a recoverable petroleum product? ○ Yes ● No

7.5) Is this waste used oil as defined by 40 CFR Part 279? ○ Yes ● No

Section 8 - TSCA Information

8.1) What is the concentration of PCBs in the waste? ◉ None ○ 0-5 ppm ○ 6-49 ppm ○ 50-499 ppm ○ 500+ ppm

8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ○ Yes ◉ No

If you answered 'None' to 8.1 and 'No' to 8.2, please skip to Section 9.

8.3) Has this waste been processed into a non-liquid form? ○ Yes ○ No

If yes, what was the concentration of PCBs prior to processing? (ppm) ○ N/A ○ 0-499 ○ 500+

8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ○ Yes ○ No

8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ○ Yes ○ No

8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ◉ N/A ○ Yes ○ No

Section 9 - Clean Air Act Information

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ○ Yes ◉ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants - VOHAP's or Volatile Organic Compounds - VOC's?)
For a complete list of VOHAPs, please see Section 11 of the EQ Resource Guide.

9.2) Is this site, or waste, subject to any other MACT or NESHAP? ○ Yes ◉ No

If yes, please specify:

9.3) Does this waste stream contain Benzene? ○ Yes ◉ No

If you answered "No" to question 9.2, please skip to section 10.

9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the Benzene NESHAP identified in 40 CFR 61, Subpart FF? ○ Yes ○ No

9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥ 10 Mg/year? ○ Yes ○ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.

If you answered "No" to question 9.3 and 9.4, please skip to Section 10.

9.6) Does the waste contain > 10% water? ○ Yes ○ No

9.7) What is the TAB quantity for your facility? Mg/year

9.8) Does the waste contain >1.0 mg/kg total Benzene? ○ Yes ○ No

9.9) What is the total Benzene concentration in your waste? (concentration) (unit)

(Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)

*For a list of NAICS codes, please refer to section 9 of the EQ Resource Guide.

Section 10 - Fuel Blending Information

10.1) Is this waste intended for fuel blending? ○ Yes* ◉ No

If you answered 'Yes' to question 10.1, please enter the following:

Heat value (BTU/lb.) _____

Chlorine (%) _____

Water (%) _____

Solids (%) _____

10.2) Is this waste intended for reclamation? ○ Yes ◉ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 - Constituent Information

Please identify your waste constituents from these four categories: **Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)**

Constituent	Concentration	UHC?

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Comments:
not logged in

Generator: _____ STEVE RENNINGER

Authorized Generator Signature *Printed Generator Name*

Company: EPA Title: OSC Date: 6/16/11

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.